

IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently Amended) An optical transmission equipment for transmitting an amplified optical data signal and a supervisory optical signal, comprising:
a pumping light source outputting a pumping light,
a doped fiber inputting a data optical signal and said pumping light, and outputting said amplified data optical signal,

a supervisory optical source outputting said supervisory optical signal, and
an optical coupler multiplexing said amplified data optical signal, and said supervisory optical signal and said pumping light,

wherein a wavelength of said supervisory optical signal is substantially equal to a wavelength of said pumping light.

2. (Currently Amended) An optical transmission equipment for transmitting an amplified data optical signal and a supervisory optical signal, comprising:

a first pumping light source outputting a first pumping light,
a second pumping light source outputting a second pumping light,
a doped fiber inputting a data optical signal and said first and second pumping light, and outputting said amplified data optical signal,

a supervisory optical source outputting said supervisory optical signal,
and

an optical coupler multiplexing said amplified data optical signal, and said supervisory optical signal and said second pumping light,

wherein a wavelength of said supervisory optical signal is substantially equal to at least a wavelength of one of said first and second pumping light.

3. (Previously Presented) An optical transmission equipment according to claim 2,

wherein said first pumping light is input to said doped fiber in a same direction as a propagating direction of said data optical signal, and

wherein said second pumping light is input to said doped fiber in an opposite direction to said propagating direction of said data optical signal.

4. (Previously Presented) An optical transmission equipment according to claim 2,

wherein the wavelength of said first pumping light is substantially equal to the wavelength of said second pumping light.

5. (Canceled)